

print media, e.g. along the leading edge. This is shown in FIG. 8, wherein a sheet 130 of a print medium such as a clear polyester used for overhead projection has applied along its leading edge 132 a strip 134 of a tape structure as illustrated in any of FIGS. 3-7, with indicia formed on each side of the tape. A layer of adhesive can be used to adhere the strip to the print media. Since the strip is of narrow width, the indicia on the respective sides will overlap in a direction normal to the sheet in a typical application. In such an exemplary application, the indicia on each side can extend the full length of the strip to avoid the need to register the position of the indicia relative to the sensor.

IN THE CLAIMS

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Add the following new claims.

32. (New) The substrate structure of Claim 1, wherein said substrate is a planar substrate, and said first surface is parallel to said second surface.

33. (New) A machine-readable indicia-bearing substrate structure, comprising:

a planar substrate having a first surface and a second surface which are disposed in an essentially parallel relationship;

a first information bearing indicia formed by a fluorescent material positioned adjacent to the first surface;

a second information bearing indicia formed by a fluorescent material positioned adjacent to the second surface; and

a thin metal layer positioned between the first indicia and the second indicia for preventing interference between a first fluorescing signal emitted by the first indicia and a second fluorescing signal emitted by the second indicia during a detection process.

34. (New) A machine-readable indicia-bearing substrate structure, comprising:

a planar substrate having a first surface and a second surface which are disposed in an essentially parallel relationship;

a first information bearing indicia formed by a fluorescent material positioned adjacent to the first surface;

a second information bearing indicia formed by a fluorescent material positioned adjacent to the second surface; and

a black background layer positioned between the first indicia and the second indicia for preventing interference between a first fluorescing signal emitted by the first indicia and a second fluorescing signal emitted by the second indicia during a detection process.

35. (New) A machine-readable indicia-bearing substrate structure, comprising:

a planar sheet of a print medium;

a planar substrate structure having a first surface and a second surface which are disposed in an essentially parallel relationship said substrate structure adhered to a surface of said planar sheet;

a first information bearing indicia formed by a fluorescent material positioned adjacent to the first surface;

a second information bearing indicia formed by a fluorescent material positioned adjacent to the second surface; and

a thin metal layer positioned between the first indicia and the second indicia for preventing interference between a first fluorescing signal emitted by the first indicia and a second fluorescing signal emitted by the second indicia during a detection process.

36. (New) A machine-readable indicia-bearing substrate structure, comprising:

a planar sheet of a print medium;

a planar substrate structure having a first surface and a second surface which are disposed in an essentially parallel relationship, said substrate structure adhered to a surface of said planar sheet;

a first information bearing indicia formed by a fluorescent material positioned adjacent to the first surface;

a second information bearing indicia formed by a fluorescent material positioned adjacent to the second surface; and

a reflective or absorptive layer positioned between the first indicia and the second indicia for preventing interference between a first fluorescing signal emitted by the first indicia and a second fluorescing signal emitted by the second indicia during a detection process.

37. (New) A machine-readable indicia-bearing substrate structure, comprising:

a planar print medium having a first surface and a second surface which are disposed in an essentially parallel relationship;

a first information bearing indicia formed by a fluorescent material positioned adjacent to the first surface at a first portion of the print medium which does not receive printed components of an image during a printing process;

a second information bearing indicia formed by a fluorescent material positioned adjacent to the second surface at a second portion of the print medium which does not receive printed components of an image during a printing process; and

a reflective or absorptive layer positioned between the first indicia and the second indicia for preventing interference between a first fluorescing signal emitted by the first indicia and a second fluorescing signal emitted by the second indicia during a detection process.

REMARKS

The Examiner is thanked for the careful review of the application as set out in the outstanding office action. Reconsideration of the application is respectfully requested.

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